

I CLAIM:

1. Scleral expansion segment of the type consisting of an arched rod designed to be placed on the sclera perpendicular to the ciliary body, characterized in that the free ends of said rod have a spatula shape wider than the diameter of said bridge, so as to constitute wide support bases.

2. Segment according to Claim 1, characterized in that the bases have a radius of curvature R1 corresponding to that of the sclera perpendicular to the ciliary body, while the bridge has a radius of curvature R2 less than R1.

3. Segment according to Claim 2, characterized in that it presents a multitude of perforations.

4. Segment according to Claim 2, characterized in that it is coated with a biocompatible synthetic material with porous surface.

5. Segment according to Claim 4, characterized in that it consists of a core of deformable material with shape memory, sunk in a layer of soft material.

6. Segment according to Claim 4, characterized in that it has an internal canal intended for placement of a core, the nature and strength of which can be chosen in order to adjust the effect of the scleral expansion segment.

7. Segment according to Claim 6, characterized in that the core consists of an injectable product.

8. Segment according to Claim 7, characterized in that it is made in two parts interlocking with each other.

9. Segment according to Claim 8, characterized in that the first part consists of a base equipped with a female attachment means, while the second part consists of the other base combined with the bridge, the free end of which contains a male attachment means.

10. Segment according to Claim 9, characterized in that the two parts contain means for preventing any rotation relative to each other.

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